



SCHWEGMAN, LUNDBERG, WOESSNER &amp; KLUTH, P.A.

# United States Patent Application

## COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: **THERAPEUTIC COMPOUNDS**.

The specification of which was filed on August 20, 1999 as application serial no. 09/378,093.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 37 C.F.R. § 1.56 (attached hereto). I also acknowledge my duty to disclose all information known to be material to patentability which became available between a filing date of a prior application and the national or PCT international filing date in the event this is a Continuation-In-Part application in accordance with 37 C.F.R. §1.63(e).

I hereby claim foreign priority benefits under 35 U.S.C. §119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on the basis of which priority is claimed:

**No such claim for priority is being made at this time.**

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

<u>Application Number</u>	<u>Filing Date</u>
60/097,359	August 21, 1998
60/097,365	August 21, 1998

I hereby claim the benefit under 35 U.S.C. § 120 or 365(c) of any United States and PCT international application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose material information as defined in 37 C.F.R. § 1.56(a) which became available between the filing date of the prior application and the national or PCT international filing date of this application:

**No such claim for priority is being made at this time.**

Filing Date: August 20, 1999

I hereby appoint the following attorney(s) and/or patent agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith:

Adams, Gregory J.	Reg. No. P-44,494	Harris, Robert J.	Reg. No. 37,346	Nama, Kash	Reg. No. 44,255
Adams, Matthew W.	Reg. No. 43,459	Huebsch, Joseph C.	Reg. No. 42,673	Nelson, Albin J.	Reg. No. 28,650
Anglin, J. Michael	Reg. No. 24,916	Jurkovich, Patti J.	Reg. No. P-44,813	Nielsen, Walter W.	Reg. No. 25,539
Arora, Suneel	Reg. No. 42,267	Kalis, Janal M.	Reg. No. 37,650	Oh, Allen J.	Reg. No. 42,047
Bianchi, Timothy E.	Reg. No. 39,610	Kaufmann, John D.	Reg. No. 24,017	Padys, Danny J.	Reg. No. 35,635
Billion, Richard E.	Reg. No. 32,836	Klima-Silberg, Catherine I.	Reg. No. 40,052	Parker, J. Kevin	Reg. No. 33,024
Black, David W.	Reg. No. 42,331	Kluth, Daniel J.	Reg. No. 32,146	Peacock, Gregg A.	Reg. No. P-45,001
Brennan, Thomas F.	Reg. No. 35,075	Lacy, Rodney L.	Reg. No. 41,136	Perdok, Monique M.	Reg. No. 42,989
Brooks, Edward J., III	Reg. No. 40,925	Leffert, Thomas W.	Reg. No. 40,697	Polglaze, Daniel J.	Reg. No. 39,801
Chu, Dinh C.P.	Reg. No. 41,676	Lemaire, Charles A.	Reg. No. 36,198	Prout, William F.	Reg. No. 33,995
Clark, Barbara J.	Reg. No. 38,107	Litman, Mark A.	Reg. No. 26,390	Schwegman, Micheal L.	Reg. No. 25,816
Dahl, John M.	Reg. No. P-44,639	Lundberg, Steven W.	Reg. No. 30,568	Sieffert, Kent J.	Reg. No. 41,312
Drake, Eduardo E.	Reg. No. 40,594	Mack, Lisa K.	Reg. No. 42,825	Slifer, Russell D.	Reg. No. 39,838
Eliseeva, Maria M.	Reg. No. 43,328	Maki, Peter C.	Reg. No. 42,832	Steffey, Charles E.	Reg. No. 25,179
Embretson, Janet E.	Reg. No. 39,665	Malen, Peter L.	Reg. No. P-44,894	Terry, Kathleen R.	Reg. No. 31,884
Fogg, David N.	Reg. No. 35,138	Mates, Robert E.	Reg. No. 35,271	Viksnins, Ann S.	Reg. No. 37,748
Fordenbacher, Paul J.	Reg. No. 42,546	McCrackin, Ann M.	Reg. No. 42,858	Woessner, Warren D.	Reg. No. 30,440
Forrest, Bradley A.	Reg. No. 30,837				

I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/organization/who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Schwegman, Lundberg, Woessner & Kluth, P.A. to the contrary.

Please direct all correspondence in this case to Schwegman, Lundberg, Woessner & Kluth, P.A. at the address indicated below:

P.O. Box 2938, Minneapolis, MN 55402

Telephone No. (612)373-6900

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of joint inventor number 1 : Fatih M. Uckun

Citizenship: FNU Turkey United States of America

Post Office Address: 12590 Ethan Avenue N.  
White Bear Lake, MN 55110

Residence: White Bear Lake, MN

Signature: \_\_\_\_\_

Fatih M. Uckun

Date: 9-21-99

Full Name of joint inventor number 2 : Elise A. Sudbeck

Citizenship: United States of America

Post Office Address: 1184 Mackubin Street, #307  
St. Paul, MN 55117

Residence: St. Paul, MN


Signature: \_\_\_\_\_

Elise A. Sudbeck

Date: 9-21-99

☒ Additional inventors are being named on separately numbered sheets, attached hereto.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of joint inventor number 3 : Marina CetkovicCitizenship: CroatiaResidence: Maplewood, MNPost Office Address: 2058 De Soto Street  
Maplewood, MN 55117Signature: Marina CetkovicDate: 9-21-99Full Name of joint inventor number 4 : Ravi MalaviyaCitizenship: IndiaResidence: Shoreview, MNPost Office Address: 951 Monterey Court North  
Shoreview, MN 55126Signature: Ravi MalaviyaDate: 9-21-99Full Name of joint inventor number 5 : Xing-Ping LiuCitizenship: Peoples Republic of ChinaResidence: Minneapolis, MNPost Office Address: 1010 6th Street SouthEast  
Minneapolis, MN 55414Signature: Xing-Ping LiuDate: 9-21-99

Full Name of inventor:

Citizenship:

Residence:

Post Office Address:

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

§ 1.56 Duty to disclose information material to patentability.

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is canceled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is canceled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

- (1) prior art cited in search reports of a foreign patent office in a counterpart application, and
- (2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.

(b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and

- (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
- (2) It refutes, or is inconsistent with, a position the applicant takes in:
  - (i) Opposing an argument of unpatentability relied on by the Office, or
  - (ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

(c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:

- (1) Each inventor named in the application;
- (2) Each attorney or agent who prepares or prosecutes the application; and
- (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.

(d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.



09/378,093

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	UCKUN ET AL.	Examiner:	H. LIU
Serial No.:	09/378,093	Group Art Unit:	1624
Filed:	AUGUST 20, 1999	Docket No.:	12152.76USU1
Title:	THERAPEUTIC COMPOUNDS		

CERTIFICATE UNDER 37 CFR 1.8:

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on August 24, 2000.

*Teresa Morgan*  
Teresa Morgan

REVOCATION AND POWER OF ATTORNEY

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

Please revoke any existing Powers of Attorney, if any, and appoint the following attorneys and/or patent agents to prosecute this application and to transact all business in the U.S.

Patent and Trademark Office in connection therewith:

Albrecht, John W.	Reg. No. 40,481	Lacy, Paul E.	Reg. No. 38,946
Ali, M. Jeffer	Reg. No. 46,359	Larson, James A.	Reg. No. 40,443
Anderson, Gregg I.	Reg. No. 28,828	Leon, Andrew J.	Reg. No. P-46,869
Batzli, Brian H.	Reg. No. 32,960	Liepa, Mara E.	Reg. No. 40,066
Beard, John L.	Reg. No. 27,612	Lindquist, Timothy A.	Reg. No. 40,701
Berns, John M.	Reg. No. 43,496	Lycke, Lawrence E.	Reg. No. 38,540
Black, Bruce E.	Reg. No. 41,622	McAuley, Steven A.	Reg. No. 46,084
Branch, John W.	Reg. No. 41,633	McDonald, Daniel W.	Reg. No. 32,044
Bremer, Dennis C.	Reg. No. 40,528	McIntyre, Jr., William F.	Reg. No. 44,921
Bruess, Steven C.	Reg. No. 34,130	Mueller, Douglas P.	Reg. No. 30,300
Byrne, Linda M.	Reg. No. 32,404	Pauly, Daniel M.	Reg. No. 40,123
Campbell, Keith	Reg. No. P-46,597	Phillips, Bryan K.	Reg. No. P-46,990
Carlson, Alan G.	Reg. No. 25,959	Phillips, John B.	Reg. No. 37,206
Caspers, Philip P.	Reg. No. 33,227	Plunkett, Theodore	Reg. No. 37,209
Chiapetta, James R.	Reg. No. 39,634	Prendergast, Paul	Reg. No. 46,068
Clifford, John A.	Reg. No. 30,247	Pytel, Melissa J.	Reg. No. 41,512
Daignault, Ronald A.	Reg. No. 25,968	Qualey, Terry	Reg. No. 25,148
Daley, Dennis R.	Reg. No. 34,994	Reich, John C.	Reg. No. 37,703
DalGLISH, Leslie E.	Reg. No. 40,579	Reiland, Earl D.	Reg. No. 25,767
Daulton, Julie R.	Reg. No. 36,414	Schmaltz, David G.	Reg. No. 39,828
DeVries Smith, Katherine M.	Reg. No. 42,157	Schuman, Mark D.	Reg. No. 31,197
DiPietro, Mark J.	Reg. No. 28,707	Schumann, Michael D.	Reg. No. 30,422
Edell, Robert T.	Reg. No. 20,187	Scull, Timothy B.	Reg. No. 42,137
Epp Ryan, Sandra	Reg. No. 39,667	Sebald, Gregory A.	Reg. No. 33,280
Glance, Robert J.	Reg. No. 40,620	Skoog, Mark T.	Reg. No. 40,178
Goggin, Matthew J.	Reg. No. 44,125	Spellman, Steven J.	Reg. No. 45,124
Golla, Charles E.	Reg. No. 26,896	Stoll-DeBell, Kirstin L.	Reg. No. 43,164
Gorman, Alan G.	Reg. No. 38,472	Sumner, John P.	Reg. No. 29,114
Gould, John D.	Reg. No. 18,223	Swenson, Erik G.	Reg. No. 45,147
Gregson, Richard	Reg. No. 41,804	Tellekson, David K.	Reg. No. 32,314
Gresens, John J.	Reg. No. 33,112	Trembath, Jon R.	Reg. No. 38,344
Hamer, Samuel A.	Reg. No. P-46,754	Tuchman, Ido	Reg. No. 45,924
Hamre, Curtis B.	Reg. No. 29,165	Underhill, Albert L.	Reg. No. 27,403
Harrison, Kevin C.	Reg. No. P-46,759	Vandenburg, J. Derek	Reg. No. 32,179
Hertzberg, Brett A.	Reg. No. 42,660	Wahl, John R.	Reg. No. 33,044
Hillson, Randall A.	Reg. No. 31,838	Weaver, Karrie G.	Reg. No. 43,245
Holzer, Jr., Richard J.	Reg. No. 42,668	Welter, Paul A.	Reg. No. 20,890
Johnston, Scott W.	Reg. No. 39,721	Whipps, Brian	Reg. No. 43,261
Kadievitch, Natalie D.	Reg. No. 34,196	Whitaker, John E.	Reg. No. 42,222
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Kastelic, Joseph M.	Reg. No. 37,160	Williams, Douglas J.	Reg. No. 27,054
Kettelberger, Denise	Reg. No. 33,924	Witt, Jonelle	Reg. No. 41,980
Keys, Jeramie J.	Reg. No. 42,724	Wu, Tong	Reg. No. 43,361
Knearl, Homer L.	Reg. No. 21,197	Xu, Min S.	Reg. No. 39,536
Kowalchyk, Alan W.	Reg. No. 31,535	Zeuli, Anthony R.	Reg. No. 45,255
Kowalchyk, Katherine M.	Reg. No. 36,848		

Please direct all correspondence in this application to Denise M.

Kettelberger, Ph.D., P.O. Box 2903, Minneapolis, MN 55402-0903, telephone 612.332.5300.

Dated: 17 August 2000

By: [Signature]

Name: Fatih M. Uckun

Title: President & Director





09/378,093

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	UCKUN ET AL.	Examiner:	H. LIU
Serial No.:	09/378,093	Group Art Unit:	1624
Filed:	AUGUST 20, 1999	Docket No.:	12152.76USU1
Title:	THERAPEUTIC COMPOUNDS		

---

CERTIFICATE UNDER 37 C.F.R. § 3.73(b)

Hughes Institute, a corporation organized and existing under the laws of the State of Minnesota, having a place of business at 2665 Long Lake Road, Suite 330, St. Paul, Minnesota 55113 certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of either:

- A. ☒ An assignment from the inventor(s), of the patent application identified above.
- The assignment was recorded in the Patent and Trademark Office on October 12, 1999, at Reel 010298, Frame(s) 0972, or for which a copy is attached.
- B. ☐ A chain of title from the inventor(s) of the patent application identified above to the current assignee as shown below:
1. From: To:  
The document was recorded in the Patent and Trademark Office at Reel ,  
Frame(s) , or for which a copy thereof is attached.
  2. From: To:  
The document was recorded in the Patent and Trademark Office at Reel ,  
Frame(s) , or for which a copy thereof is attached.
  3. From: To:





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Frame(s) , or for which a copy thereof is attached.

- ☐ Additional documents in the chain of title are listed on a supplemental sheet.
- ☒ Copies of assignments or other documents in the chain of title are attached.

The undersigned (whose title is supplied below) is empowered to act on behalf of the  
assignee.

I hereby declare that all statements made herein of my own knowledge are true, and  
that all statements made on information and belief are believed to be true; and further, that these  
statements are made with the knowledge that willful false statements, and the like so made, are  
punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States  
Code, and that such willful false statements may jeopardize the validity of the application or any  
patent issuing thereon.

Date: 17 August 2000

By: [Signature]  
Name: Fatih M. Uckun  
Title: President and Director





957.018151



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

JANUARY 06, 2000

PTAS

SCHWEGMAN, LUNDBERG, WOESSNER, ET AL  
ROBERT J. HARRIS, PH.D.  
P.O. BOX 2938  
MINNEAPOLIS, MINNESOTA 55402



\*101170918A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 10/12/1999

REEL/FRAME: 010298/0972  
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

UCKUN, FATIH M.

DOC DATE: 09/21/1999

ASSIGNOR:

SUDBECK, ELISE A.

DOC DATE: 09/21/1999

ASSIGNOR:

CETKOVIC, MARINA

DOC DATE: 09/21/1999

ASSIGNOR:

MALAVIYA, RAVI

DOC DATE: 09/21/1999

ASSIGNOR:

LIU, XING-PING

DOC DATE: 09/21/1999

ASSIGNEE:

HUGHES INSTITUTE  
2665 LONG LAKE ROAD, SUITE 330  
ST. PAUL, MINNESOTA 55113

Schwegman, Lundberg,  
Woessner & Kluth, P.A.

JAN 14 2000

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010298/0972 PAGE 2

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SERIAL NUMBER: 09378093  
PATENT NUMBER:

FILING DATE: 08/20/1999  
ISSUE DATE:

ALLYSON PURNELL, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

10-14-1999

S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

Atty Ref/Docket No.: 957.018US1



101170918

To the Honorable Commissioner of Patents and Trademark

or copy thereof.

OCT 12

1. Name of conveying party(ies):

Fatih M. Uckun, Elise A. Sudbeck, Marina Cetkovic,  
Ravi Malaviya and Xing-Ping Liu

2. Name and address of receiving party(ies):

Name: Hughes Institute

Additional name(s) of conveying party(ies) attached? [ ] Yes [X] No

3. Nature of conveyance:

[X] Assignment

[ ] Merger

[ ] Security Agreement

[ ] Change of Name

[ ] Other

Street Address: 2665 Long Lake Road  
Suite 330

City: St. Paul State: MN ZIP: 55113

Additional name(s) & address(es) attached? [ ] Yes [X] No

Execution Date: September 21, 1999, September 21, 1999, September 21,  
1999, September 21, 1999, September 21, 1999

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

Serial No. 09/378,093, filed August 20, 1999

Additional numbers attached? [ ] Yes [X] No

5. Name and address of party to whom correspondence  
concerning document should be mailed:

Name: Robert J. Harris, Ph.D.

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

Address: Schwegman, Lundberg, Woessner & Kluth, P.A.  
P.O. Box 2938  
Minneapolis, MN 55402

[X] Enclosed

[ ] Authorized to be charged to deposit account

8. Please charge any additional fees or credit any overpayments to our  
Deposit account number: 19-0743

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Robert J. Harris, Ph.D./Reg. No. 37,346

Name of Person Signing

Signature

Date

Total number of pages including cover sheet: 5

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Washington, D.C. 20231

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503.

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### ASSIGNMENT

WHEREAS, WE, Fatih M. Uckun, residing at 12590 Ethan Avenue N., White Bear Lake, MN 55110, and Elise A. Sudbeck, residing at 1184 Mackubin Street, #307, St. Paul, MN 55117, and Marina Cetkovic, residing at 2058 De Soto Street, Maplewood, MN 55117, and Ravi Malaviya, residing at 951 Monterey Court North, Shoreview, MN 55126, and Xing-Ping Liu, residing at 1010 6th Street SE, Minneapolis, MN 55414, made certain new and useful inventions and improvements for which We filed an application for Letters Patent of the United States on August 20, 1999, which application was assigned U.S. patent application serial number 09/378,093, and is entitled THERAPEUTIC COMPOUNDS.

AND WHEREAS, Hughes Institute, a corporation organized and existing under and by virtue of the laws of the State of Minnesota, and having an office and place of business at 2665 Long Lake Road, Suite 330, St. Paul, MN 55113, (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

**Docket No.: 957.018US1**  
**Serial No.: 09/378,093**  
**Filing Date: August 20, 1999**  
**Page 2 of 4**

## Notary Public

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IN TESTIMONY WHEREOF, I have hereunto set my hand this 21<sup>st</sup> day of Sept., 1999.

Elise A. Sudbeck

Elise A. Sudbeck

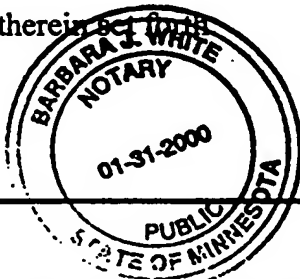
STATE OF Minnesota )

)ss.

COUNTY OF Ramsey )

On this 21<sup>st</sup> day of September, 1999 before me personally appeared Elise A. Sudbeck to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]



Barbara J. White  
Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this 21<sup>st</sup> day of Sept., 1999.

Marina Cetkovic

Marina Cetkovic

STATE OF Minnesota )

)ss.

COUNTY OF Ramsey )

On this 21<sup>st</sup> day of September, 1999 before me personally appeared Marina Cetkovic to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]



Barbara J. White  
Notary Public

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IN TESTIMONY WHEREOF, I have hereunto set my hand this 21<sup>st</sup> day of Sept, 1999.

Ravi Malaviya

Ravi Malaviya

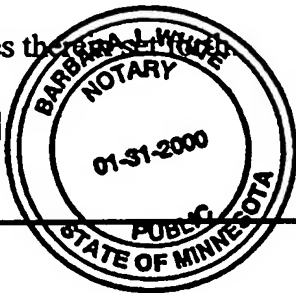
STATE OF Minnesota)

)ss.

COUNTY OF Ramsey)

On this 21<sup>st</sup> day of September, 1999 before me personally appeared Ravi Malaviya to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]



Barbara J. White  
Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this 21<sup>st</sup> day of Sept, 1999.

Xing-Ping Liu

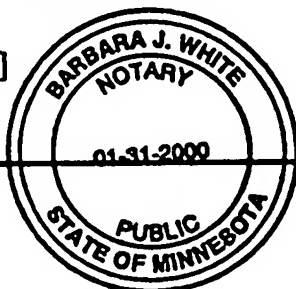
STATE OF Minnesota)

)ss.

COUNTY OF Ramsey)

On this 21<sup>st</sup> day of September, 1999 before me personally appeared Xing-Ping Liu to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]



Barbara J. White  
Notary Public





**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**BEST AVAILABLE COPY**

Applicant: **Fatih M. Uckun et al.**

Title: **THERAPEUTIC COMPOUNDS**

Docket No.: **957.018US1**

Filed: **August 20, 1999**

Examiner: **Unknown**

Serial No.: **09/378,093**

Due Date: **N/A**

Group Art Unit: **1614**

Attn: **Box Assignment**

Hon. Commissioner for Patents and Trademarks

Washington, D.C. 20231

We are transmitting herewith the attached:

☒ An Assignment of the invention to Hughes Institute (4 pgs.) and Recordation Form Cover Sheet (1 pg.).

☒ A check in the amount of \$40.00 to cover the Assignment Recording Fee.


☒ A return postcard.

☐ Other: \_\_\_\_

Please charge any additional required fees or credit overpayment to Deposit Account No. 19-0743.

**CERTIFICATE UNDER 37 CFR 1.8:** The undersigned hereby certifies that this Transmittal Letter and the paper, as described above, are being deposited in the United States Postal Service, as first class mail, in an envelope addressed to: Attn: Box Assignment, Hon. Commissioner for Patents and Trademarks, Washington, D.C. 20231, on this 6<sup>th</sup> day of October, 1999.

**SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.**  
P.O. Box 2938, Minneapolis, MN 55402 (612-373-6900)

By:   
Name: **Robert J. Harris, Ph.D.**  
Reg. No. **37,346**  
RJH:CMG:af



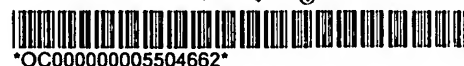
## UNITED STATES PATENT AND TRADEMARK OFFICE

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UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20520  
www.uspto.gov

APPLICATION NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
09/378,093	08/20/1999	FATIH M. UCKUN	957.018US1

DENISE M. KETTELBERGER, PH.D.  
P.O. BOX 2903  
MINNEAPOLIS, MN 55402-0903

DMK



Date Mailed: 10/25/2000

## NOTICE REGARDING POWER OF ATTORNEY

This is in response to the Power of Attorney filed 08/29/2000.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

Customer Service Center

Initial Patent Examination Division (703) 308-4202

ATTORNEY/APPLICANT COPY